# Recombinant Human AKR1C2 Protein

**Catalog Number: PKSH032054**

**Note:** *Centrifuge before opening to ensure complete recovery of vial contents.*

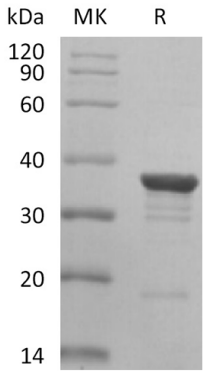
## Description

| | |
|---|---|
| **Species** | Human |
| **Source** | E.coli-derived Human AKR1C2 protein Met 1-Tyr323 |
| **Calculated MW** | 36.7 kDa |
| **Observed MW** | 35 kDa |
| **Accession** | P52895 |
| **Bio-activity** | Not validated for activity |

## Properties

| | |
|---|---|
| **Purity** | > 90 % as determined by reducing SDS-PAGE. |
| **Concentration** | Subject to label value. |
| **Endotoxin** | < 1.0 EU per μg of the protein as determined by the LAL method. |
| **Storage** | Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles. |
| **Shipping** | This product is provided as liquid. It is shipped at frozen temperature with blue ice/ gel packs. Upon receipt, store it immediately at < - 20°C. |
| **Formulation** | Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 100mM NaCl, 1mM DTT, pH 8.0. |

## Data




> 90 % as determined by reducing SDS-PAGE.

## Background

Aldo-Keto Reductase Family 1 Member C2 (AKR1C2) plays a role in concert with the 5-α/5-β-Steroid Reductases to convert Steroid hormones into the 3-α/5-α and 3-α/5-β-Tetrahydrosteroids. AKR1C2 catalyzes the inactivation of the most potent androgen 5-α-Dihydrotestosterone (5-α-DHT) to 5-α-Androstane-3-α, 17-β-diol (3-α-diol).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